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(71)Applicant : HAYASHIKANE ZOKEN KK

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(72)Inventor : SAOTOME KAZUO

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(54) DEHYDRATION SHEET CONTAINING WATER ABSORBABLE RESIN

(57)Abstract:

PURPOSE: To obtain a dehydration sheet not causing the release of a gel from a base material at the time of water absorption and easy to handle, by coating or impregnating a cellulosic or Poval type fiber material with a water absorbable acrylic acid type polymer to form a sheet like water absorbable material and adding an aqueous sugar solution to said material to wet the same.

CONSTITUTION: A sheet composed of a cellulosic or Poval type fiber such as a pulp type nonwoven fabric is coated or impregnated with an aqueous solution prepared by adding caustic soda and a radical initiator such as potassium persulfate to an aqueous acrylic acid solution containing a crosslinkable copolymerizable monomer such as methylenebisacrylamide and the impregnated one is polymerized under heating in inert gas. An aqueous sucrose solution is added to the water absorbable acrylic acid polymer-containing sheet like water absorbing sheet thus obtained to wet the same and a semipermeable film such as a vinylon film is superposed to both surfaces of the wetted material and the peripheral edge part is sealed to obtain a dehydration sheet.

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